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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/081,133	02/22/2002	Juhani Peuramaki	72989	8534

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CHICAGO, IL 60603-3406

EXAMINER

JACKSON, MONIQUE R

ART UNIT	PAPER NUMBER
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1773

4

DATE MAILED: 05/21/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Applicati n No.

10/081,133

Applicant(s)

PEURAMAKI, JUHANI

Examiner

Monique R Jackson

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-- The MAILING DATE of this c mmunication appears n the c ver sheet with the correspondence address --

Peri d for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disp sition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 2/24/02 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

1. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Finland on 30 August 1999. It is noted, however, that applicant has not filed a certified copy of the foreign application as required by 35 U.S.C. 119(b).

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 3.1 with respect to Figure 2 wherein it is further noted that reference characters "3" and "3.1" have both been used to designate the polyurethane layer. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: 2.3 in Figure 4. A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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5. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Yoshiga et al (USPN 5,024,891.) Yoshiga et al teach a polyamide resin-metal laminate comprising a metal substrate, such as aluminum, having a heat-treated adhesive coating on its surface, and a polyamide resin, such as nylon 6 or nylon 6,6, laminated on the coating layer of the substrate via extrusion lamination and then further heat treating the laminate at a temperature at the level of at least the softening temperature of the polyamide resin (Abstract; Col. 1, lines 4-18; Col. 1, line 63-Col. 2, line 8; Col 3, lines 30-33 and lines 46-56; Col. 4, lines 1-6.)

6. Claims 1-5 and 7-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Baitinger et al (USPN 4,645,710.) Baitinger et al teach foam laminate structures comprising a foamed polyurethane core (*as in instant claims 8-9*) with a facer material uniformly adhered thereto with an adhesive material wherein the facer material may be aluminum foil (*as in instant claims 2, 5, 13*) and the adhesive material may be nylon or polyamides (*a polymer that crystallizes when heated as instantly claimed*) which is extrusion coated onto the aluminum foil (*as in instant claim 3, 4*); and wherein the composite may be formed by contacting a formed foam core to the adhesive coated-facer material at temperatures in the range of about 100 to 300C (*as in instant claims 7 and 11*) to form the laminate comprising polyurethane foam/polyamide adhesive/aluminum (*as in instant claims 1, 12, and 14-15*) (Abstract; Col. 1, line 56-Col. 2, line 29.)

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

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having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 6 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baitinger et al in view of Yoshiga et al. Baitinger et al do not specifically teach that the polyamide or nylon is polyamide 6 or polyamide 66 as in instant claim 6 however polyamide or nylon 6 or 66 is an obvious species of polyamide material to provide a polamide-metal laminate where insulation is required as taught by Yoshiga et al wherein Yoshiga et al further teach that the metal substrate may be further treated or coated to improve adhesion and hence one having ordinary skill in the art at the time of the invention would have been motivated to utilize nylon 6 or nylon 66, both obvious species of polyamide material, in the invention taught by Baitinger.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Monique R Jackson whose telephone number is 703-308-0428. The examiner can normally be reached on Mondays-Thursdays, 8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul J Thibodeau can be reached on 703-308-2367. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.



Monique R. Jackson
Patent Examiner
Technology Center 1700
May 19, 2003